

In the Claims:

1. (currently amended) An adhesive for medical patches or for transdermal therapeutic systems, said adhesive having a tackiness which is activated and/or increased by contact with moisture or by absorption of moisture, said adhesive comprising at least one component selected from the group consisting of (a) polyvinyl alcohols, (b) cellulose derivatives, (c) polyethers, (d) acid anhydrides including acids and salts of acid anhydrides and (e) non-pressure-sensitive polyacrylates, wherein at least two components differ from each other by each being a member of a different class (a) to (e); and wherein said adhesive contains at least one film-forming polymer selected from the group of said non-pressure-sensitive polyacrylates and at least one organic acid.
2. (currently amended) The adhesive according to claim 1, wherein said adhesive contains at least one additional acid anhydride group-containing polymer or copolymer.
3. (currently amended) The adhesive according to claim 2, wherein said at least one additional acid anhydride group-containing polymer or copolymer is in a form selected from the group consisting of a salt form and an acid form.
4. (currently amended) The adhesive according to claim 1, wherein said adhesive further comprises ~~contains~~ at least one polymer from the class of the polyvinyl alkyl ethers and contains 1–20 C atoms.
5. (currently amended) The adhesive according to claim 4, wherein said adhesive further comprises ~~contains~~ at least one polymer selected from the group consisting of polyvinyl methyl ether, polyvinyl ethyl ether, polyvinyl isobutyl ether and polyvinyl cyclohexyl ether.

6. (currently amended) The adhesive according to claim 1, wherein said adhesive further comprises ~~contains~~ at least one polymer selected from the group of the polyvinyl alkyl ether copolymers containing a carboxylic acid anhydride as comonomer.
7. (currently amended) The adhesive according to claim 1, wherein said adhesive further comprises ~~contains~~ at least one polyvinyl alcohol.
8. (currently amended) The adhesive according to claim 7, wherein said adhesive further comprises ~~contains~~ at least one polymethyl vinyl ether-polymaleic acid anhydride copolymer, the polyvinyl alcohol portion amounting to 1-80%-wt. relative to the sum of said two polymer components.
9. (currently amended) The adhesive according to claim 1, wherein said adhesive further comprises ~~contains~~ at least one cellulose derivative selected from the group consisting of hydroxypropyl methyl cellulose, hydroxypropyl cellulose, sodium carboxymethyl cellulose, methyl cellulose, hydroxyethyl cellulose and hydroxypropyl ethyl cellulose.
10. (currently amended) The adhesive according to claim 1, wherein said adhesive further comprises ~~contains~~ at least one component selected from the group consisting of polyvinyl pyrrolidones, gelatine, starch and starch derivatives.
11. (previously presented) The adhesive according to claim 1, wherein said adhesive additionally contains at least one pressure-sensitive adhesive polymer selected from the group consisting of polyacrylates, polyisobutylenes, polyisoprenes, silicone adhesives and hot melt pressure-sensitive adhesives, wherein the portion of said moisture-activatable, non-pressure-sensitive adhesive components is 40-60%-wt.
12. (currently amended) The adhesive according to claim 1, wherein said adhesive further

~~comprises~~ ~~contains~~ at least one film-forming polymer selected from the group of the polyacrylates and at least one polymethyl vinyl ether-polymaleic acid anhydride copolymer, the polyacrylate portion being 25-95%-wt. relative to the sum of said polymer components.

13. (previously presented) The adhesive according to claim 1, wherein said at least one organic acid is selected from the group consisting of saturated alkanolic monocarboxylic acids, saturated alkanolic dicarboxylic acids and hydroxyalkanoic acids.

14. (currently amended) The adhesive according to claim 1, wherein said ~~adhesive~~ ~~contains~~ at least one component is a cellulose derivative and an organic acid.

15. (previously presented) A medical patch or transdermal therapeutic system comprising at least one moisture-activatable adhesive matrix layer comprising an adhesive according to claim 1.

16. (currently amended) The medical patch or transdermal therapeutic system according to claim 15, wherein said matrix layer contains at least one active substance.

17. (currently amended) The medical patch or transdermal therapeutic system according to claim 16 and further comprising an overlying patch for connecting said active substance-containing matrix layer, said overlying patch comprising a pressure-sensitive adhesive polymer layer.

18. (currently amended) The ~~use of an adhesive according to claim 1 for the~~ manufacture of a product selected from the group consisting of a medicinal patch and a transdermal therapeutic system, comprising the steps of:

creating an adhesive for medical patches or transdermal therapeutic

systems by combining and mixing at least one component selected from the group consisting of (a) polyvinyl alcohols, (b) cellulose derivatives, (c) polyethers, (d) acid anhydrides including acids and salts of acid anhydrides and (e) non-pressure-sensitive polyacrylates, wherein at least two components differ from each other by each being a member of a different class (a) to (e), with at least one film-forming polymer from the group of non-pressure-sensitive polyacrylates, at least one organic acid and a solvent selected from the group consisting of demineralised water and ethanol to obtain compound;

coating said compound onto a film to form a coated film; and

drying said coated film.

19. (previously presented) The adhesive according to claim 2, wherein said at least one acid anhydride group-containing polymer or copolymer is an acid anhydride group-containing polyether.
20. (previously presented) The adhesive according to claim 19, wherein said acid anhydride group-containing polyether is acid anhydride.
21. (previously presented) The adhesive according to claim 6, wherein said at least one polymer is selected from the group consisting of a copolymer of methyl vinyl ether and maleic acid anhydride.
22. (previously presented) The adhesive according to claim 8, wherein said polyvinyl alcohol portion is amounts to 5-55% - wt. relative to the sum of said polymer components.
23. (previously presented) The adhesive according to claim 12, wherein said

polyacrylate portion of said adhesive is 50-80% - wt. relative to the sum of said polymer components.

24. (previously presented) The adhesive according to claim 14, wherein said cellulose derivative is sodium carboxymethyl cellulose and said organic acid is a carboxylic acid.